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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/656,180	09/08/2003	Young-Sin Park	030681-558	8421
21839	7590 05/22/2006		EXAM	INER
BUCHANAN INGERSOLL PC (INCLUDING BURNS, DOANE, SWECKER & MATHIS)			WEINER, LAURA S	
POST OFFIC		KER & MATHIS)	ART UNIT	PAPER NUMBER
ALEXANDRIA, VA 22313-1404			1745	
			DATE MAILED: 05/22/2006	6

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/656,180	PARK ET AL.				
Office Action Summary	Examiner	Art Unit				
	Laura S. Weiner	1745				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communion.  - If NO period for reply is specified above, the maximum statutory period was pailing to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin vill apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	N. nely filed the mailing date of this communication. ED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 20 A	oril 2006.					
2a) ☐ This action is FINAL. 2b) ☒ This	This action is FINAL. 2b)⊠ This action is non-final.					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) Claim(s) 1-10 is/are pending in the application.						
4a) Of the above claim(s) is/are withdraw	4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.						
<u> </u>	☑ Claim(s) <u>1,2,4-7,9 and 10</u> is/are rejected.					
7)⊠ Claim(s) <u>3 and 8</u> is/are objected to. 8)□ Claim(s) are subject to restriction and/or	r election requirement					
are subject to restriction unares	olookon requirement.					
Application Papers						
9) The specification is objected to by the Examine						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the one Replacement drawing sheet(s) including the corrections.	•	• • •				
11) The oath or declaration is objected to by the Ex						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) ☐ All b) ☐ Some * c) ☐ None of:  1. ☐ Certified copies of the priority documents have been received.						
Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)	_					
1) Motice of References Cited (PTO-892) 2) D Notice of Draftsperson's Patent Drawing Review (PTO-948)	4)  Interview Summary Paper No(s)/Mail Da					
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date		Patent Application (PTO-152)				
	J/					

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#### **DETAILED ACTION**

#### Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 4-20-06 has been entered.

#### Response to Arguments

2. Applicant's arguments with respect to claims 1-2, 4-7, 9-10 have been considered but are moot in view of the new ground(s) of rejection.

## Claim Rejections - 35 USC § 102

### Claim Rejections - 35 USC § 103

3. Claims 1-2, 4-7, 9-10 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Shindo (5,755,949).

Shindo teaches in column 2, lines 53-67, a lithium ionic conducting glass thin film as a solid electrolyte with the formula  $(Li2O)_x$  - $(SiO2)_{100-y}$  which is formed by the sputtering process. Shindo teaches in column 5, lines 47-67, that Nb2O5, Ta2O5 or WO3 may be added to  $(Li2O)_x$  - $(SiO2)_{100-y}$ . Shindo teaches in column 5, lines 1-8, that the lithium ionic conducting glass thin film can be formed by sputtering, ion plating, CVD, etc.

Since Shindo teaches making the solid electrolyte the same way using the same targets of Li2O, SiO2 and at least one of Nb2O5, Ta2O5 or WO3 then inherently the same solid electrolyte having the formula LixSiyMzOvNw must also be obtained.

In addition, the presently claimed property of a solid electrolyte having the formula LixSiyMzOvNw would have obviously have been present once the Shindo product is provided. *In re Best, 195 USPQ 433 (CCPA 1977).* 

In regard to claims 4-5 and 9-10, it has been held that a recitation with respect to the manner in which a claimed apparatus is intended to be employed does not differentiate the claimed apparatus from a prior art apparatus satisfying the claimed structural limitations. *Ex parte Masham, 2 USPQ2d 1647 (1987)*.

### Allowable Subject Matter

4. Claims 3 and 8 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Laura S. Weiner whose telephone number is 571-272-1294. The examiner can normally be reached on M-F (6:30-4:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Vaura S Wéiner Primary Examiner Art Unit 1745

May 17, 2006